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=> s tooth(w)coating or tooth(w)whitening  
L1 780 TOOTH(W) COATING OR TOOTH(W) WHITENING

=> s film-forming(w)synthetic(w)polymer or polyacrylate  
L2 26869 FILM-FORMING(W) SYNTHETIC(W) POLYMER OR POLYACRYLATE

=> s colorant or titanium(w)dioxide  
L3 71794 COLORANT OR TITANIUM(W) DIOXIDE

=> s pearlescent(w)particle or mica(w)titanium  
L4 222 PEARLESCENT(W) PARTICLE OR MICA(W) TITANIUM

=> s l1 and l2 and l3 and l4  
L5 1 L1 AND L2 AND L3 AND L4

=> d ti au abs so py

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Tooth coating compositions with resin,  
colorant, and pearlescent particles  
IN Hoic, Diego Andres; Curtis, John P.  
AB A tooth coating composition for imparting whiteness or  
color to teeth is described comprising at least one polymer resin, at  
least one colorant, and pearlescent particles  
. The resin can be a natural resin, such as a colophonium, mastic,  
shellac, or natural cellulose, or a synthetic polymer, e.g.,  
polyacrylate, polyacrylamide, polyvinylpyrrolidone, polyvinyl  
alc., polyethylene glycols, polystyrene, hydroxypropyl Me celluloses, Me  
cellulose, copolymers, etc. Methods of coloring a tooth or a hard dental  
surface, such as a crown, a restorative veneer, a partial denture, and a  
composite are also disclosed. Thus, a tooth coating  
composition, an alternative to Duraphat Placebo, contained ethanol (96%) 29.36,  
white beeswax 0.51, colophonium 33.7, sodium saccharin 0.72, mastic 12.42,  
polyacrylate 22.61, and flavor 0.68%, resp. This formulation is  
expected to provide increased whiteness to the final composition (and to a  
user's teeth) compared to Duraphat Placebo, because a natural resin  
(shellac), which can be amber in color, is replaced with a colorless  
synthetic polymer (polyacrylate).  
SO U.S. Pat. Appl. Publ., 10 pp.  
CODEN: USXXCO  
PY 2005  
2005

=> s l1 and l2

L6 12 L1 AND L2

=> d ti au py so 1-12

L6 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Tooth whitening composition containing crosslinked  
polymer-peroxides  
IN Shastry, Ramachandra; Mirajkar, Yelloji Rao; Dixit, Nagaraj; Cameron,  
Ryan; Wang, Qin; Zaidel, Lynette; Chopra, Suman K.; Prencipe, Michael  
PY 2006  
2006  
SO U.S. Pat. Appl. Publ., 10 pp.  
CODEN: USXXCO

L6 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Tooth coating compositions with resin, colorant, and  
pearlescent particles  
IN Hoic, Diego Andres; Curtis, John P.  
PY 2005  
2005  
SO U.S. Pat. Appl. Publ., 10 pp.  
CODEN: USXXCO

L6 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Dentifrices containing magnesium sodium silicate and urea peroxide  
IN Mori, Daizaburo; Yamaguchi, Shin; Ikushima, Keisuke  
PY 2005  
2005  
2005  
2005  
SO Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW

L6 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Dental patches for toothbrushing  
IN Metsugi, Chizuru; Takei, Noriko; Arai, Masato; Watanabe, Takashi  
PY 2003  
SO Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKXXAF

L6 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Teeth whitening system containing peroxides and acids  
with increased bleaching efficiency and storage stability  
IN Orlowski, Jan A.; Butler, David V.; Noss, Amy P.  
PY 2002  
SO U.S., 8 pp.  
CODEN: USXXAM

L6 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Tooth-whitening compositions containing  
water-absorptive polymer gels and bleaching agents  
IN Kawahara, Haruyuki; Kawahara, Hiroshi; Nakai, Hiromasa  
PY 2002  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF

L6 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Device and method using dry mixtures for whitening teeth  
IN McLaughlin, Gerald  
PY 2001  
2002  
2003  
SO U.S., 11 pp.

CODEN: USXXAM

L6 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Composition and method for whitening teeth without damaging soft tissue  
IN McLaughlin, Gerald G.  
PY 2000  
2000  
SO PCT Int. Appl., 32 pp.  
CODEN: PIXXD2

L6 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Dentifrices containing carboxylates and polyphosphates for removal of  
stains  
IN Uchiyama, Akira; Inoue, Shimako  
PY 2000  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF

L6 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Coating compositions for teeth  
IN Yamagishi, Atsushi; Oshima, Akira; Kayane, Shigeto; Nakano, Yukihiro  
PY 1998  
1999  
1999  
2003  
2000  
SO PCT Int. Appl., 29 pp.  
CODEN: PIXXD2

L6 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Dental cosmetic coating materials  
IN Fujihama, Shigeru; Kawai, Jun  
PY 1993  
SO Jpn. Kokai Tokkyo Koho, 3 pp.  
CODEN: JKXXAF

L6 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Compositions and methods for reducing elution of therapeutic agents from  
teeth  
IN Chang, Robert W. H.  
PY 1981  
1979  
1981  
1980  
1981  
1982  
1985  
1984  
1984  
1984  
1985  
SO U.S., 11 pp. Cont.-in-part of U.S. Ser. No. 865,681, abandoned.  
CODEN: USXXAM

=> s l1 and l3 and l4  
L7 1 L1 AND L3 AND L4

=> s l1 and l4  
L8 4 L1 AND L4

=> duplicate remove  
ENTER L# LIST OR (END):l8  
DUPLICATE PREFERENCE IS 'BIOSIS, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L8

L9 4 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)

ANSWER '1' FROM FILE BIOSIS

ANSWERS '2-4' FROM FILE CAPLUS

=> d ti au py so

L9 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

TI Tooth coating composition.

AU Urai, Kaoruko [Inventor, Reprint Author]; Tanaka, Kichizo [Inventor];

Inagaki, Kenji [Inventor]

PY 2003

SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Feb 25 2003) Vol. 1267, No. 4. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.

ISSN: 0098-1133 (ISSN print).

=> d ti au py so 2-4

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Tooth coating compositions with resin, colorant, and  
pearlescent particles

IN Hoic, Diego Andres; Curtis, John P.

PY 2005

2005

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Tooth coating compositions containing shellac and  
mica titanium

IN Urai, Kaoruko; Tanaka, Kichizo; Inagaki, Kenji

PY 2002

2004

2006

2002

2002

2002

2004

2002

2002

2003

2005

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Coating compositions for teeth

IN Yamagishi, Atsushi; Oshima, Akira; Kayane, Shigeto; Nakano, Yukihiro

PY 1998

1999

1999

2003

2000

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

=> s l1 and l3

L10 30 L1 AND L3

=> d ti au py so 1-5

L10 ANSWER 1 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Stick for whitening tooth surfaces which is made using emulsion system  
 such as o/w, w/o, w/o/w and o/w/o  
 IN Hwang, Tae Sun; Jung, Yeong Myeong; Nam, Ho Cheon  
 PY 2004  
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given  
 CODEN: KRXXA7

L10 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Whitening toothpaste composition comprising titanium  
 dioxide  
 IN Ahn, Jae Hyeon; Choi, Jong Heon; Ha, Won Ho; Kim, Jin Cheol; Kim, Yeong  
 Ho; Mun, Gyo Tae  
 PY 2004  
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given  
 CODEN: KRXXA7

L10 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Products for attachment to teeth, and method for supply of oral-care  
 substances to teeth and gums  
 IN Watanabe, Takashi  
 PY 2006  
 SO Jpn. Kokai Tokkyo Koho, 22 pp.  
 CODEN: JKXXAF

L10 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Tooth whitening composition and tooth  
 whitening sets containing metal oxides  
 IN Inoue, Shimako; Uchiyama, Akira; Toki, Ikuko; Matsumoto, Noriko  
 PY 2006  
 SO PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2

L10 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI In vitro study on vital bleaching system containing nitrogen-doped  
 titanium oxides  
 AU Kawai, Toshihiro  
 PY 2005  
 SO Aichi Gakuin Daigaku Shigakkaishi (2005), 43(4), 641-656  
 CODEN: AGDSAB; ISSN: 0044-6912

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